



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/650,338 Confirmation No. 6839
Applicant : Y. HIRAKAWA et al
Filed : August 27, 2003
Title : DATA REPLICATION AMONG
STORAGE SYSTEMS (as amended)
TC/AU : 2164
Examiner : S.R. Pannala
Docket No. : H-5027
Customer No.: 24956

Commissioner for Patents
Mail Stop DD
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT (IDS)
UNDER § 1.97 AND § 1.98

Sir:

1. This IDS should be considered:

(a) when filed within three months of the filing date of the present application, or within three months of the filing date of the National Stage as set forth in § 1.491 in an international application, or before the mailing date of a first Office Action on the merits, whichever occurs last;

(b) when filed before the mailing date of either a Final Rejection under § 1.113 or a Notice of Allowance under § 1.311, whichever occurs first and when 1(a) does not apply. For this purpose, there is included herein either a certification in section 4 below (included when indicated by a marked box), or a fee of \$180.00 (a Credit Card Payment Form in the amount of \$180.00 is enclosed, or if not see section 5 below);

(c) when filed prior to the payment of the Issue Fee, when 1(a)-(b) do not apply, and when a certification is included in section 4 below (included when indicated by a marked box); then the Applicant(s) hereby petition(s) and request(s)

consideration of this IDS, and provided herewith is a fee of \$180.00 (a Credit Card Payment Form in the amount of \$180.00 to cover the petition fee, or if not see section 5 below).

2. When 1(a)-(c) do not apply, then it is requested that this IDS be placed in the file.

3. Listing of the information submitted is on the attached Form PTO-1449, which forms a part of this IDS. A copy of each listed document is enclosed when needed.

4. If a fee or additional fee is required, the Commissioner is hereby authorized to charge any fee or additional fee that may be required and credit any excess to Deposit Account No. 50-1417.

5. No explanation of relevancy is being provided for the following document(s) because each is either in the English language.

6. If the PTO determines that part(s) of the required content is inadvertently omitted, then it is requested that the Applicant(s) be given additional time and specific identification of such omission(s) to enable full compliance.

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

By _____
Shrinath Malur
Reg. No. 34,663
(703) 684-1120



Sheet 1 of 2

FORM PTO-1449
(REV. 7-80)

DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
H-5027

SERIAL NO.
10/650,338

LIST OF DOCUMENTS CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT
Y. HIRAKAWA et al

FILING DATE
August 27, 2003

GROUP
2164

U.S. PATENT DOCUMENTS

* EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
AA	2002/0143888	10/03/02	Lisiecki et al			
AB	2003/0204479	10/30/03	Bills et al			
AC	2003/0217031	11/20/03	Owen et al			
AD	2003/0220935	11/27/03	Vivian et al			
AE	2004/0030703	02/12/04	Bourbonnais et al			
AF	2004/0059738	03/25/04	Tarbell			
AG	2005/0038968	02/17/05	Iwamura et al			
AH	2005/0050115	03/03/05	Kekre			
AI	5,995,980	11/30/99	Olson et al			
AJ	6,622,152	09/16/03	Sinn et al			
AK	6,804,676	10/12/04	Bains			

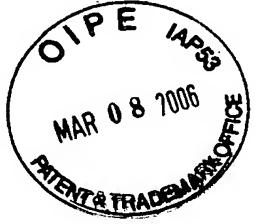
FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AL						<input type="checkbox"/> <input type="checkbox"/>
AM						<input type="checkbox"/> <input type="checkbox"/>
AN						<input type="checkbox"/> <input type="checkbox"/>
AO						<input type="checkbox"/> <input type="checkbox"/>
AP						<input type="checkbox"/> <input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AR	"Replication Guide and Reference V7: Document Number SC26-9920-00",
	IBM DB2 Guide, 2000, 455 pages.
AS	"Replication Guide and Reference V8: Document Number SC27-1121-01",
	IBM DB2 Guide, 2003, 789 pages.
AT	"IBM DB2 RepliData for z/OS, Version 3.1", IBM DB2 Guide,
	March 2003, 2 pages.

EXAMINER	DATE CONSIDERED
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	





Sheet 2 of 2

FORM PTO-1449
(REV. 7-80)

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U.S. PATENT DOCUMENTS

* EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
AA	6,941,322	09/06/05	Bills et al			
AB	6,959,369	10/25/05	Ashton et al			
AC	6,968,349	11/22/05	Owen et al			
AD	6,883,122	04/19/05	Maple et al			
AE	6,625,623	09/23/03	Midgley et al			
AF	6,662,197	12/09/03	LeCrone et al			
AG						
AH						
AI						
AJ						
AK						

FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
AL						<input type="checkbox"/>	<input type="checkbox"/>
AM						<input type="checkbox"/>	<input type="checkbox"/>
AN						<input type="checkbox"/>	<input type="checkbox"/>
AO						<input type="checkbox"/>	<input type="checkbox"/>
AP						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AR	IBM DB2 DataPropagator for z/OS, Version 8.1", IBM DB2 Guide, 2002,
	4 pages.
AS	
AT	

EXAMINER	DATE CONSIDERED
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